

ABSTRACT OF THE DISCLOSURE

A system for field substitution of components of a RF metrology system. The system includes a sensor/cable combination and an analysis unit. Parameters of the RF metrology system are determined prior to placing the RF metrology system in the field. From these parameters, either component, the cable/sensor combination or the analysis module, may be substituted in the field by recalibrating the system for the substituted unit. Such recalibration is carried out utilizing the parameters determined prior to placing the RF metrology system in the field.